WM-14/24/25

SERVICE MANUAL

Refer to MDR-02L/03L/010L Service Manual issued previously for information of headphones supplied with this set.

• Photo: WM-24

• *WM-14*

US Model
Canadian Model

• *WM-24*

AEP Model
UK Model
E Model

• *WM-25*

UK Model

Discard WM-14/24 SERVICE MANUAL (No.9-951-650-11) previously issued.

'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

WALKMAN

SPECIFICATIONS

Tape Transport Mechanism Type	MT-WM11-06

Tape track 4-track 2-channel stereo
Fast winding time Approx. 2 min. with Sony cassette C-60
Frequency response
40–15,000 Hz (with the TAPE selector set to METAL/CrO_2)
40–15,000 Hz (with the TAPE selector set to NORM)
Power output 20 mW + 20 mW (at 10% harmonic distortion) at DC operation
Power requirements
3 V DC
two batteries, IEC designation R6 (size AA)
Sony EBP-500 battery case (optional) for use on two batteries, IEC designation R20 (size D)
DC IN 3 V jack accepts:
Sony AC-D2 AC power adaptor (optional)
US, Canadian model : 120V AC, 60Hz
AEP model : 220V AC, 50Hz
UK model : 240V AC, 50Hz
E model : 110, 120 or 220V AC, 50/60Hz
Sony DCC-70 car battery cord (optional) for use with 12V car battery

Battery life (continuous playback hours)
Approx. 3 hours with Sony SUM-3 (NS) New Super batteries
Approx. 5 hours with Sony Eveready AM3 alkaline batteries
Dimensions Approx. 84.7×132×31.4 mm (w/h/d) ($3\frac{3}{8}\times5\frac{1}{4}\times1\frac{1}{4}$ inches)
not incl. projecting parts and controls
Weight Approx. 230 g (8.2 oz) not incl. batteries and other accessories
Approx. 270g (9.6oz) incl. batteries, not incl. other accessories

MICROFILM

STEREO CASSETTE-PLAYER

SONY®

TC

Replacing chip components

All chip components should be connected and disconnected, using a tapered soldering iron [temperature of the iron tip: less than 280°C (536°F)], a pair of tweezers and braided wire.

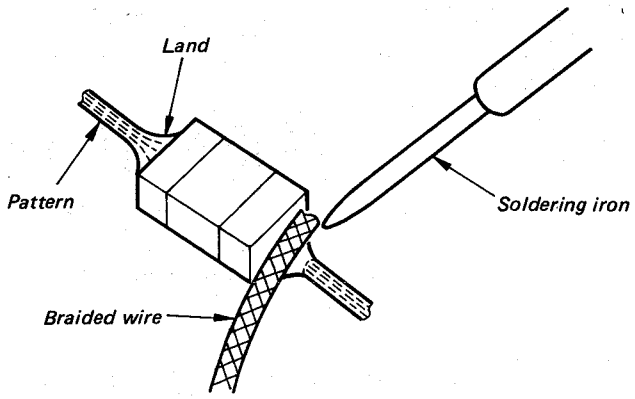
Precautions for replacement

1. **Do not disconnect the chip component forcefully. Otherwise, the pattern may peel off.**
2. **Never re-use a disconnected chip component. Dispose of all old chip components.**
3. **To protect the chip component, heating time for attaching the component should be within 3 seconds.**

○ **Removing chip components**

(1) Removing solder at electrode

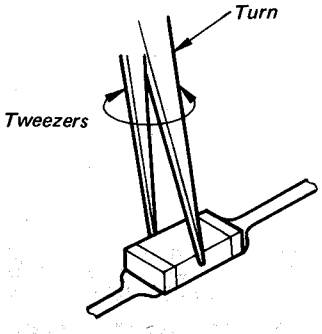
Remove the solder at the electrode, using a thin braided wire. Do not remove the solder of the part (chip component) attached adjacent to the electrode.



(2) Disconnecting chip components

Turn the tweezers with the soldering iron alternately applied to both electrodes, and the chip component will be disconnected. Take careful precautions while disconnecting, because if the chip component is forcefully removed the land may peel off.

Never re-use a disconnected chip component.



(3) Smoothing the soldered surface

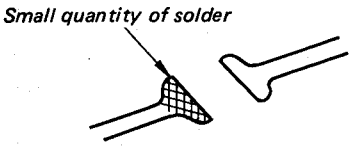
After disconnecting the chip component, remove the solder by using a braided wire to smooth the land surface.

○ **Connecting chip components**

The value of chip components is not displayed on the main body. Take due precautions to avoid mixing new chip components with other ones.

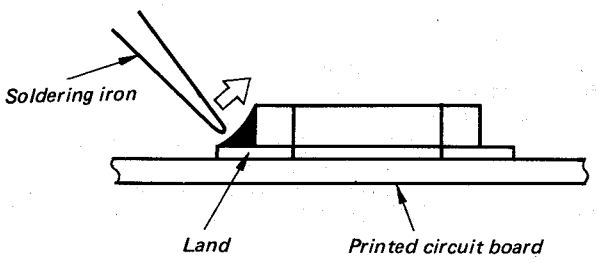
(1) Applying solder to land on one side

Apply a thin layer of solder to the land on one side where the chip component is to be connected. Too much solder may cause bridging.



(2) Speedy soldering

Hold the chip component at the desired position, using tweezers, and apply the soldering iron in the arrow-marked direction. To protect the chip component, heating time should be within 3 seconds.



(3) Speedy soldering of electrode on the other side

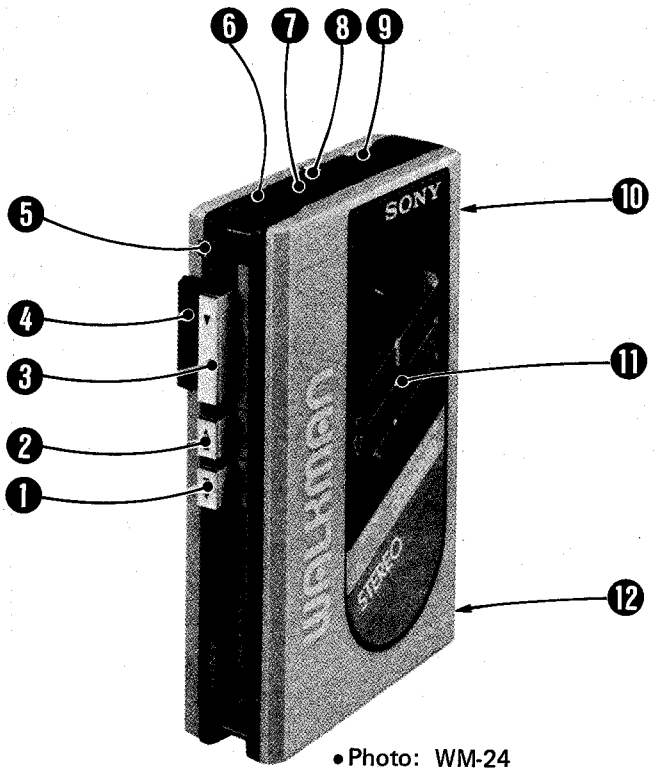
Solder the electrode on the other side in the same way as in (2) above.

— SERVICING NOTE —

Repairing printed resistor

Cut both sides of the resistor and solder the carbon resistor having same value in place of printed one on the conductor side.

PARTS IDENTIFICATION



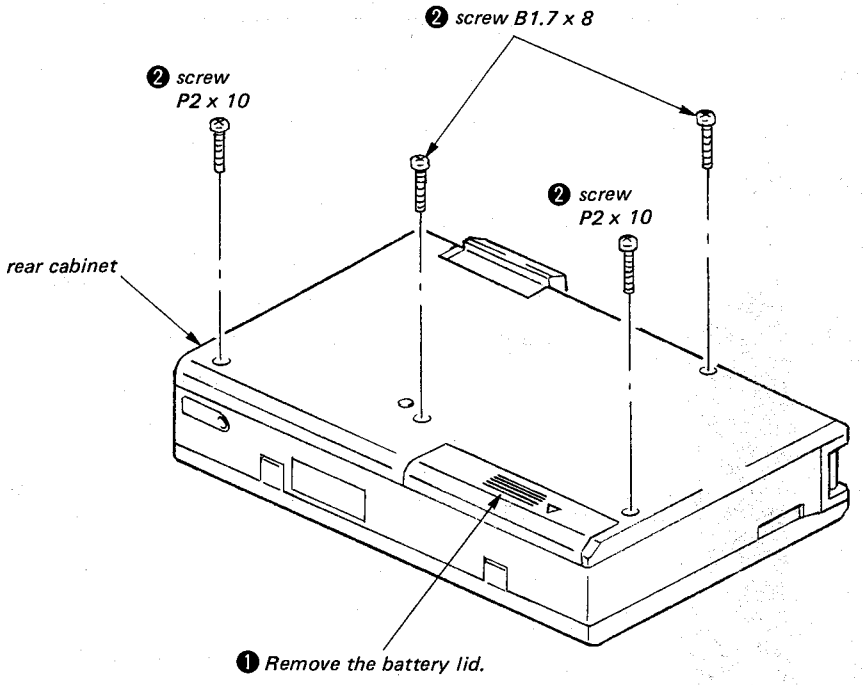
• Photo: WM-24

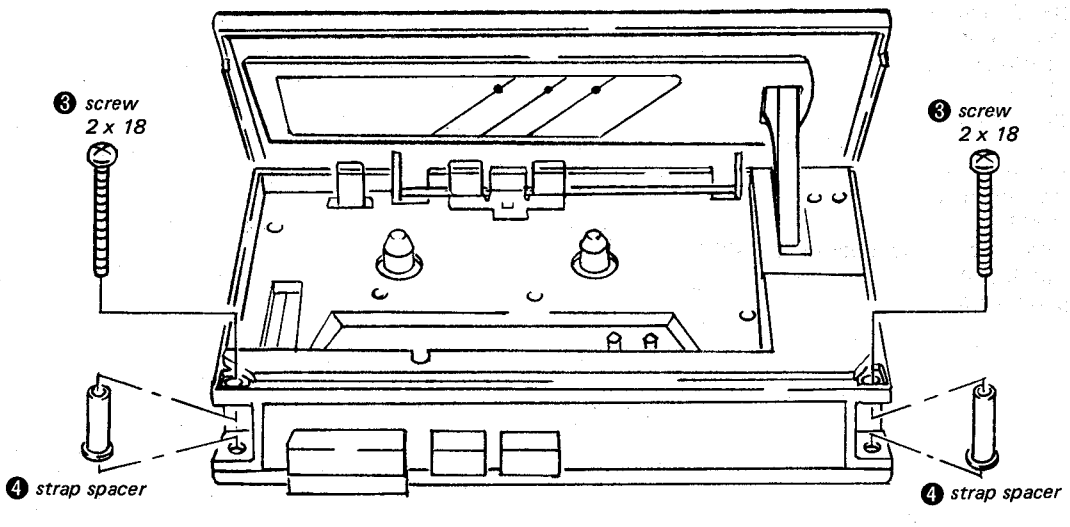
❶ ▼▼ FF (fast forward) button
❷ ▲▲ REW (rewind) button
❸ ▼ PLAY (playback) button
❹ STOP/EJECT button
❺ BATT (battery) indicator
❻ TAPE selector
❼ DOLBY NR switch
❽ PHONES (headphones) jack
❾ VOLUME control
❿ DC IN 3 V (external power input) jack (right side)
⓫ Cassette compartment
⓬ Battery compartment (rear)

SECTION 1
DISASSEMBLY

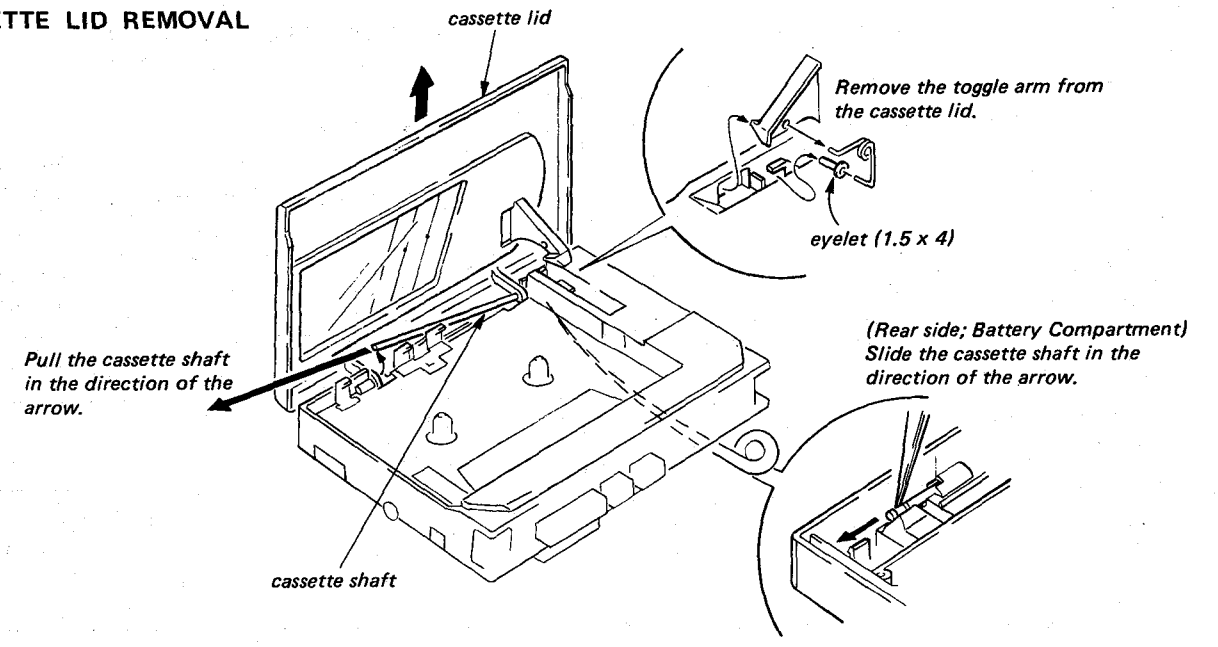
Note: Follow the disassembly procedure in the numerical order given.

REAR CABINET REMOVAL

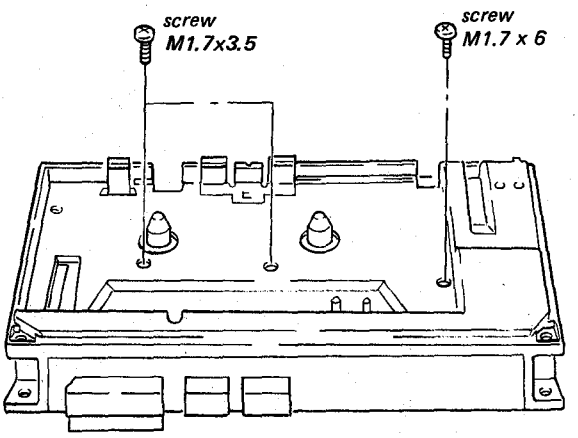




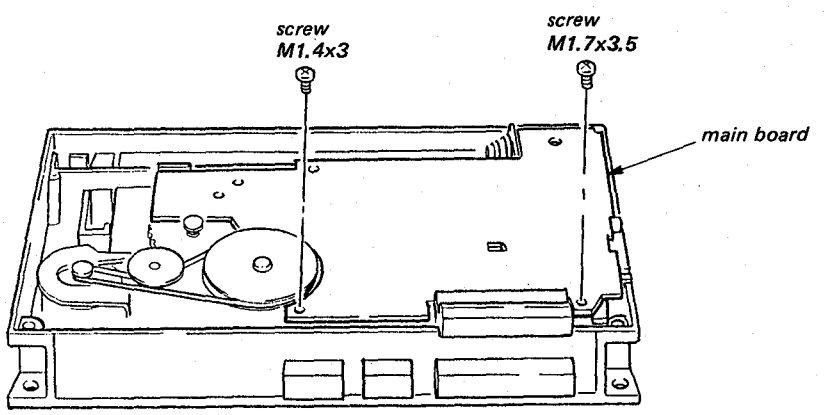
CASSETTE LID REMOVAL


cassette lid
Remove the toggle arm from the cassette lid.
eyelet (1.5 x 4)
Pull the cassette shaft in the direction of the arrow.
(Rear side; Battery Compartment) Slide the cassette shaft in the direction of the arrow.
cassette shaft

MECHANISM BLOCK REMOVAL



MAIN BOARD REMOVAL



SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENTS AND MEASUREMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

   playback head — rubber belts
   capstan — idlers
   pinch roller

2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage ulesss otherwise noted.

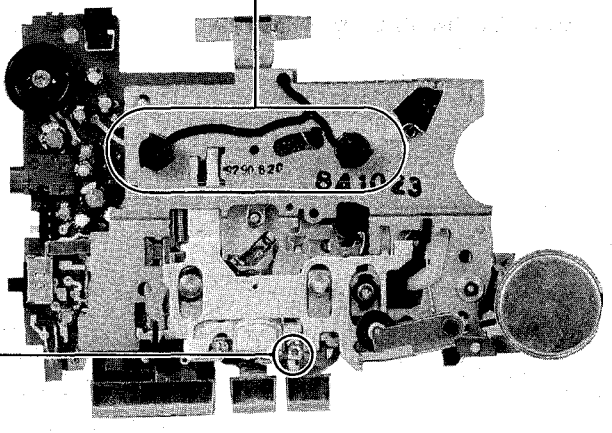
power supply voltage: 3V dc
SPEED CONTROL knob: center click

Torque Measurement

Torque	Meter reading	Torque meter
Forward	22 – 52 g·cm (0.3 – 0.72 oz·inch)	CQ-102B
Fast Forward and Rewind	50 – 75 g·cm (0.69 – 1.0 oz·inch)	CQ-201B
Back Tension	1.5 – 4.5 g·cm (0.02 – 0.06 oz·inch)	CQ-102B

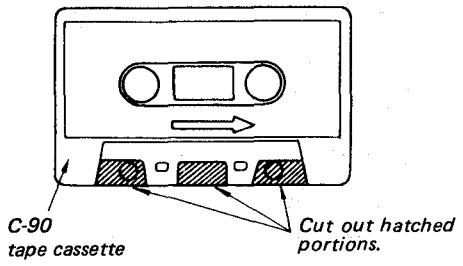
Tape Tension Measurement

Meter	Meter Reading
CQ-403	More than 110 g (3.88 oz)

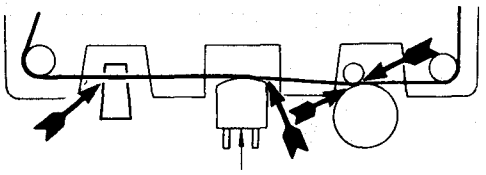


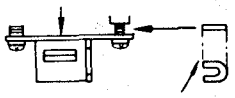
Head Height Adjustment

1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by arrow.





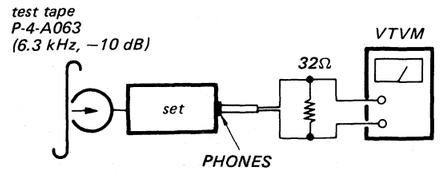
3-578-138-01 (t=0.1)
3-578-138-11 (t=0.2)
Shim, head height adjustment

2-2. ELECTRICAL ADJUSTMENTS

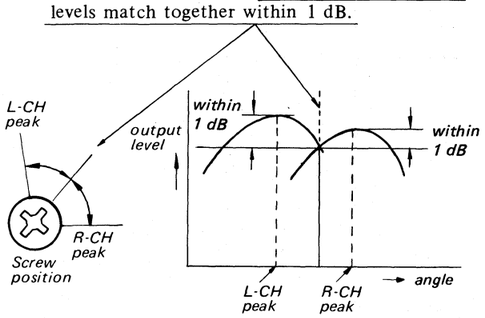
Playback Head Azimuth Adjustment

Procedure:

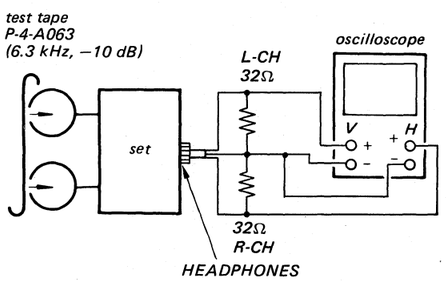
1. Mode: playback

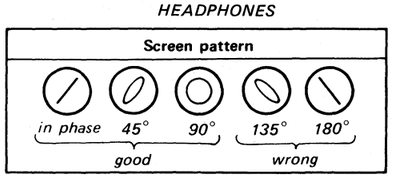


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.



3. Phase Check
   Mode: playback

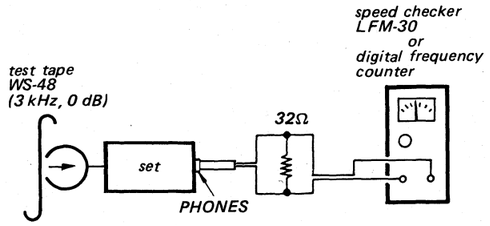




4. After the adjustment, lock the screws with locking compound.

Tape Speed Adjustment

Procedure:

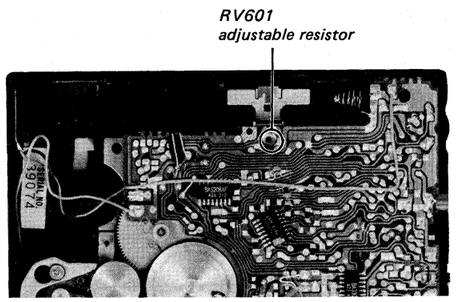


Specification:

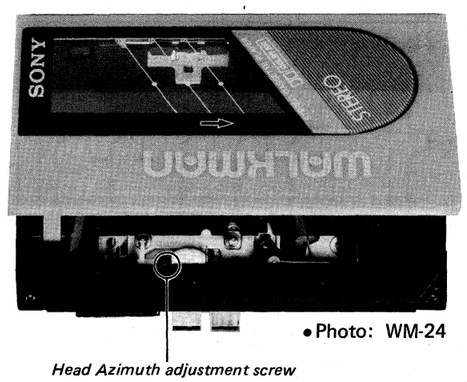
Speed checker	Digital frequency counter
±0.5%	2,985 – 3,015Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30Hz).

Adjustment Location:



Adjustment Location:

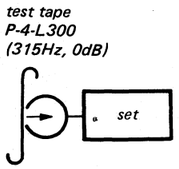


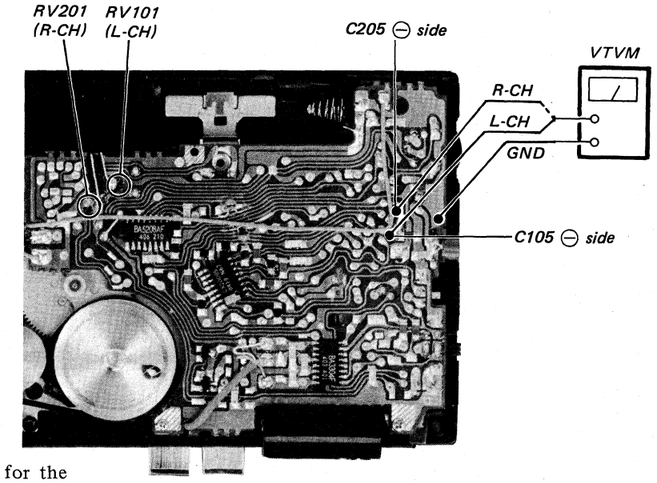
• Photo: WM-24

Dolby NR Level Adjustment

Setting:

TAPE switch: NORM
DOLBY NR switch: OFF

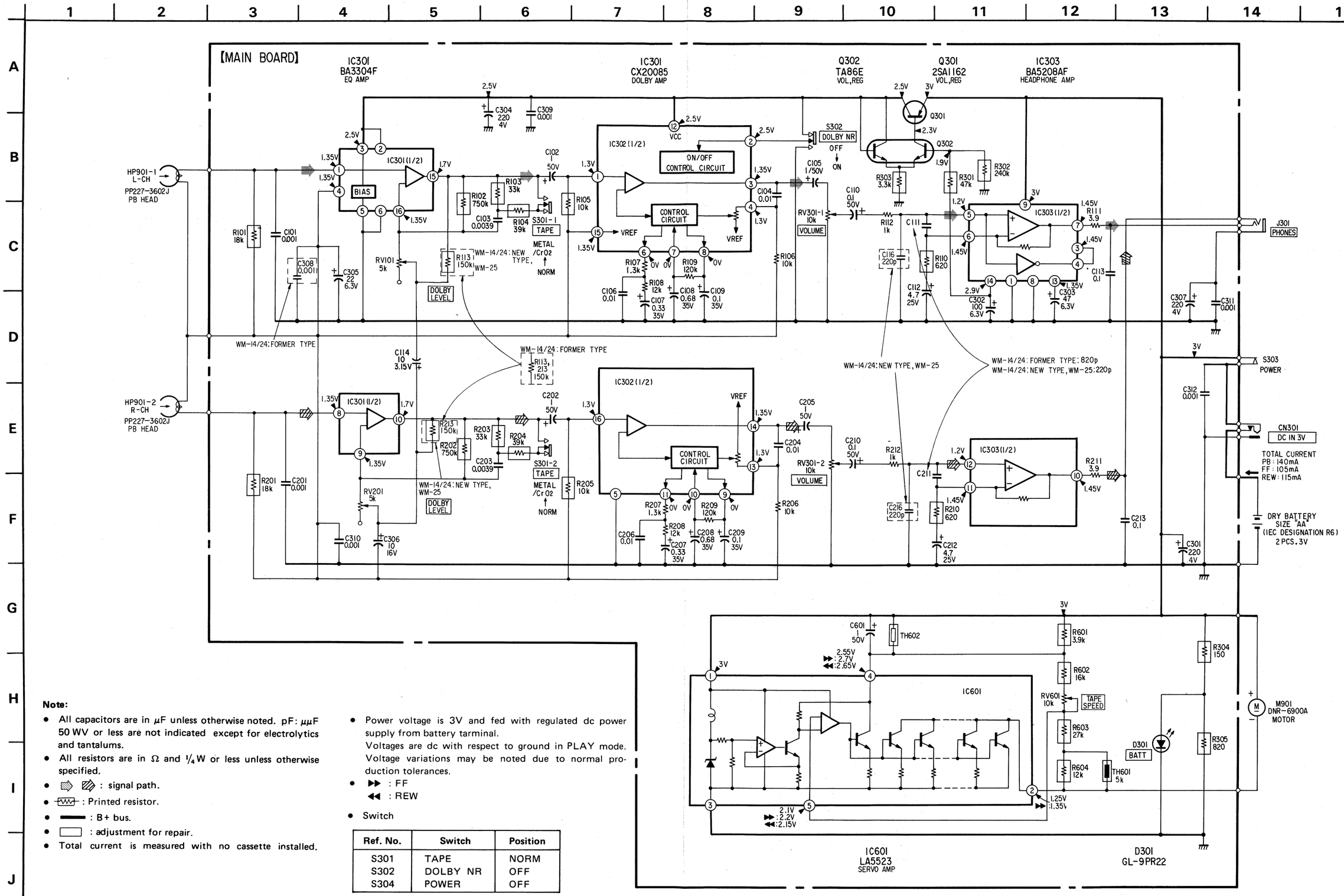




Procedure:

1. Adjust RV101 (L-CH), RV201 (R-CH) for the specified reading on VTVM.
2. Confirm that the VTVM reading is within the specification when DOLBY NR switch (S302) is on.

   Specification: −27.7 ± 1dB
   (32 ± 4mV)



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▨ ▨ : signal path.
- ⊣⊢ : Printed resistor.
- ▬ : B+ bus.
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is 3V and fed with regulated dc power supply from battery tarminal.
  Voltages are dc with respect to ground in PLAY mode.
  Voltage variations may be noted due to normal production tolerances.
- ▶▶ : FF
  ◀◀ : REW
- Switch

Ref. No.	Switch	Position
S301	TAPE	NORM
S302	DOLBY NR	OFF
S304	POWER	OFF

3-2. MOUNTING DIAGRAM
– Conductor Side –

WM-14/24: NEW TYPE, WM-25

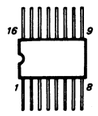
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A B C D E F G H I J

Q IC	IC601	IC303 301 302	IC302 IC301
D			301

- **Semiconductor Lead Layouts**

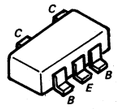
BA3304F
CX20085
BA5208AF



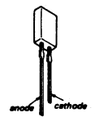
LA5523

2SA1162

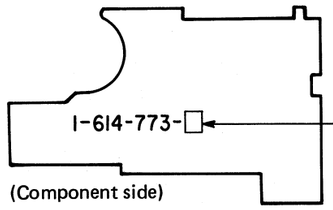
TA86E



GL-9PR22



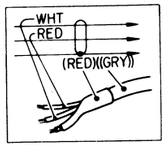
WM-14/24
MODEL IDENTIFICATION (Former or New)



Part No. Suffix
{ –11.... Former type
{ –12.... New type

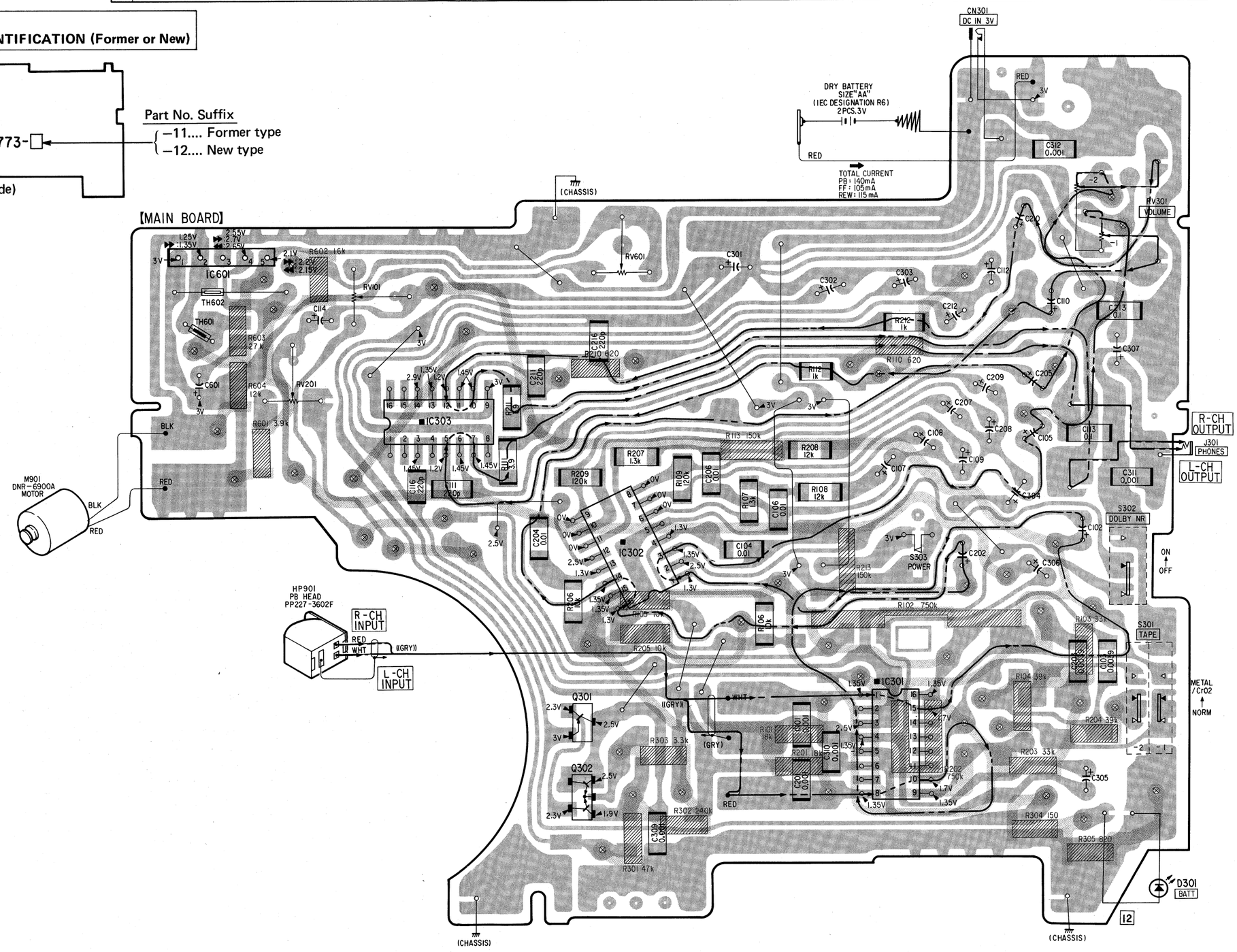
Note:

- Color code of sleeving over the end of the jacket.



- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- —→— : signal path
- —→ : L-CH signal path
- —→ : R-CH signal path
- ▒ : B + pattern
- ▒ : component-side pattern.
- ▨ : Printed resistor.

【MAIN BOARD】



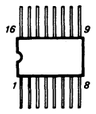
3-3. MOUNTING DIAGRAM

– Conductor Side –

WM-14/24: FORMER TYPE

- **Semiconductor Lead Layouts**

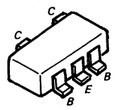
BA3304F
CX20085
BA5208AF



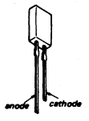
LA5523

2SA1162

TA86E

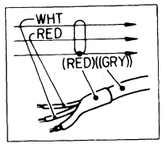


GL-9PR22

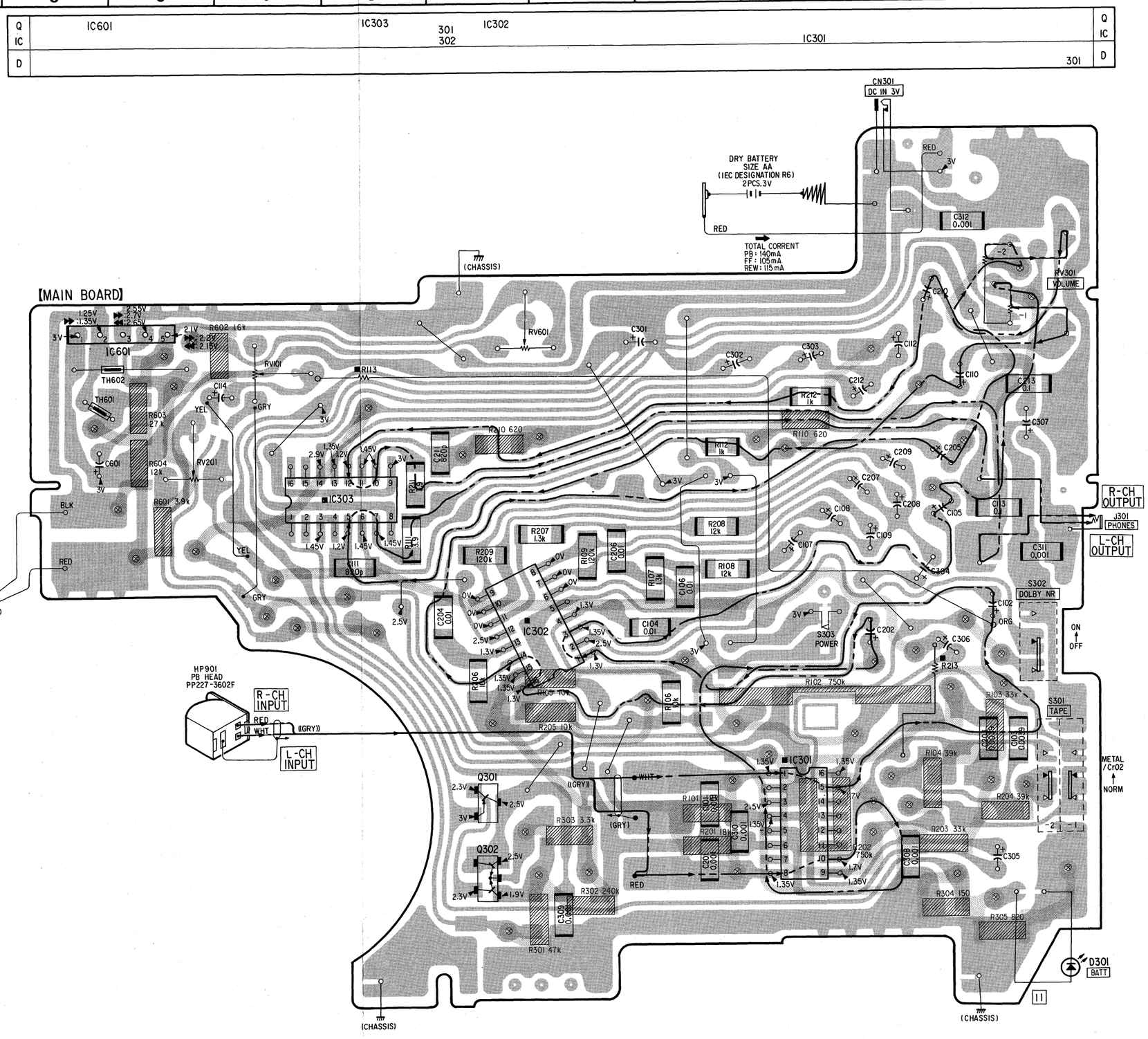


Note:

- Color code of sleeving over the end of the jacket.



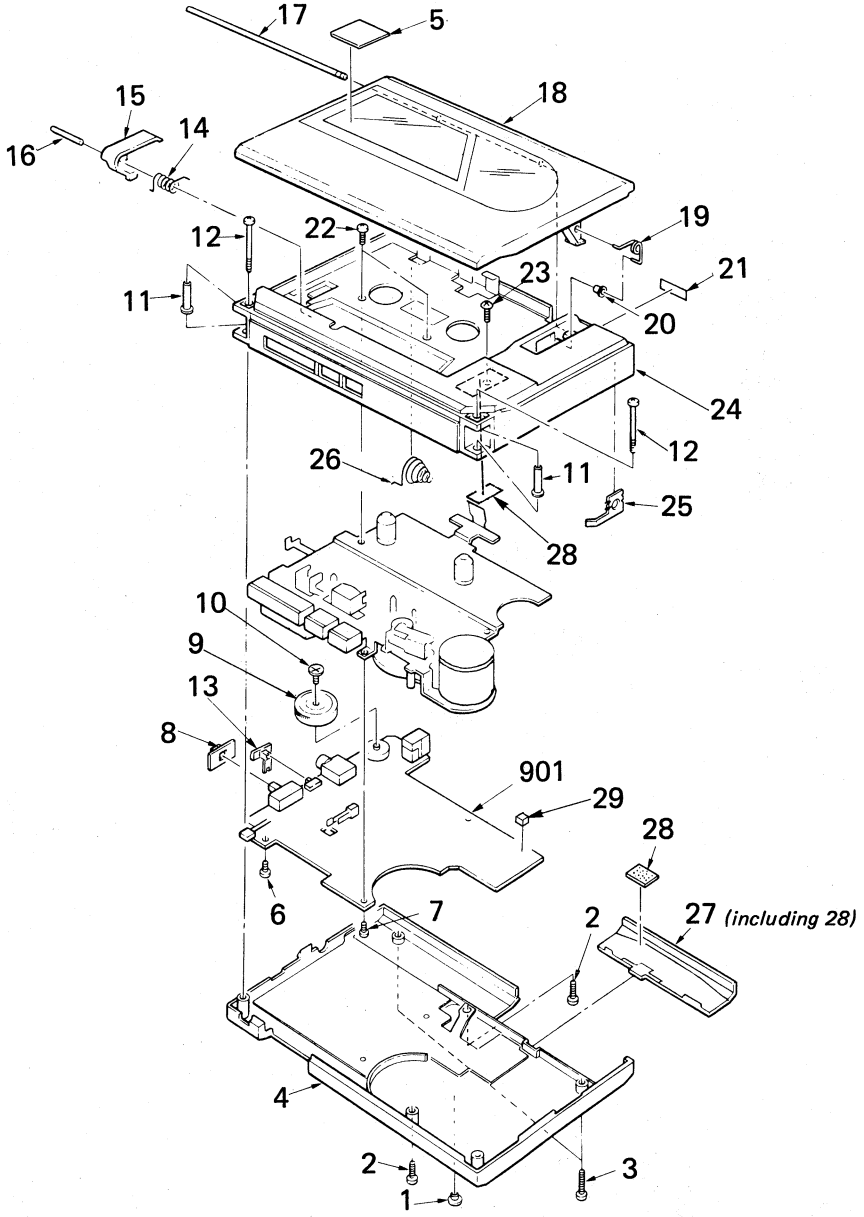
- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ▬▶▬ : signal path
- ▬▶ : L-CH signal path
- ▬▶ : R-CH signal path
- ▒▒ : B + pattern
- ▒▒ : component-side pattern.
- ▨ : Printed resistor.



SECTION 4
EXPLODED VIEWS AND PARTS LIST

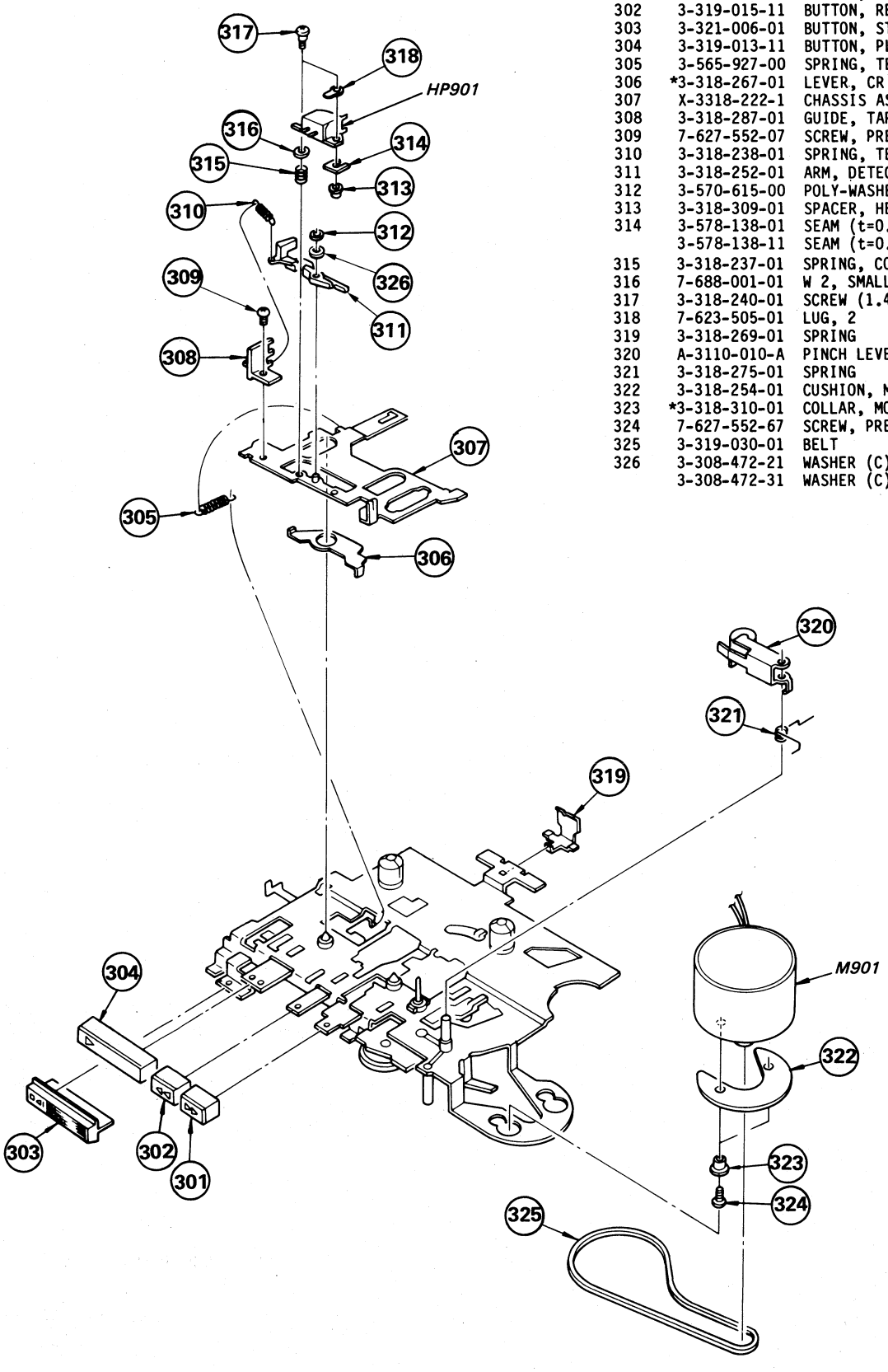
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number on the remark column.

(1)



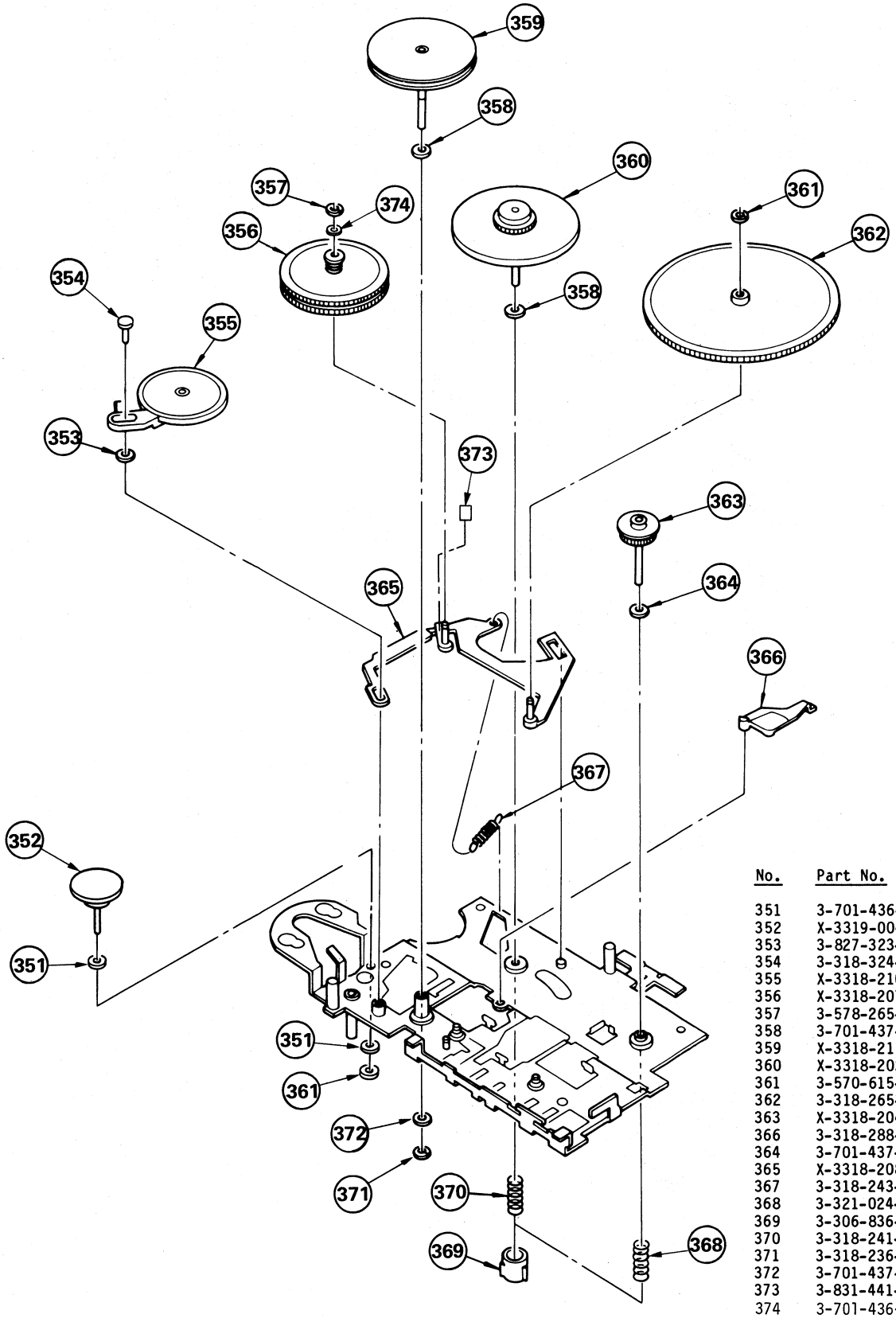
No.	Part No.	Description	Remarks
1	3-545-657-21	BUSH	
2	3-318-203-21	(GOLD,RED)...SCREW (B1.7X8), TAPPING	
	3-318-203-31	(BLK).....SCREW (B1.7X8), TAPPING	
3	7-685-106-14	(GOLD,RED)..SCREW +P 2X10 TYPE 2 NON-SLIT	
	7-685-106-19	(BLK).....SCREW +P 2X10 TYPE 2 NON-SLIT	
4	X-3321-047-1	(GOLD).....CABINET (REAR) ASSY	
	X-3321-047-2	(WM-14/24:BLK)....CABINET (REAR) ASSY	
	X-3321-047-3	(RED).....CABINET (REAR) ASSY	
	X-3321-057-1	(WM-25).....CABINET (REAR) ASSY	
5	3-703-708-01	STICKER, SONY SYMBOL (18)	
6	3-321-041-01	SCREW (M1.7X3.5), TAPPING	
7	3-318-202-01	SCREW (M1.4X3), TAPPING	
8	9-911-863-XX	PLATE, BLIND	
9	3-321-042-01	KNOB, CONTROL	
10	3-888-156-01	SCREW (1.7X4)	
11	3-320-918-01	SPACER, STRAP	
12	3-320-919-01	SCREW (2X18)	
13	3-321-045-01	KNOB, SWITCH	
14	3-318-215-01	SPRING	
15	3-321-022-01	LEVER, EJECT	
16	3-703-357-06	PIN, PARALLEL (DIA. 1.6X4)	
17	3-320-901-01	SHAFT, CASSETTE	
18	X-3321-022-1	(US:GOLD).....LID ASSY, CASSETTE	
	X-3321-023-1	(Canadian:GOLD)...LID ASSY, CASSETTE	
	X-3321-024-1	(Canadian:RED)....LID ASSY, CASSETTE	
	X-3321-028-1	(Canadian:BLK)....LID ASSY, CASSETTE	
	X-3321-025-1	(WM-24:RED).....LID ASSY, CASSETTE	
	X-3321-026-1	(WM-24:BLK).....LID ASSY, CASSETTE	
	X-3321-029-1	(WM-24:GOLD).....LID ASSY, CASSETTE	
	X-3321-058-1	(WM-25).....LID ASSY, CASSETTE	
19	3-321-002-01	SPRING	
20	7-623-612-01	EYELET, 1.5X4	
21	3-527-213-00	LABEL, SERIAL NUMBER	
22	3-321-083-01	SCREW (M1.7X3.5), TAPPING	
23	3-318-204-31	SCREW (M1.7X6), TAPPING	
24	3-321-046-01	CABINET (FRONT)	
25	3-318-209-01	TERMINAL BOARD, PLUS	
26	3-318-210-01	SPRING	
27	X-3321-014-1	(RED).....LID, BATTERY CASE	28
	X-3321-014-5	(WM-25).....LID, BATTERY CASE	28
	X-3321-046-5	(GOLD).....LID, BATTERY CASE	28
	X-3321-046-6	(WM-14/24:BLK)....LID, BATTERY CASE	28
28	9-911-815-01	CUSHION	
29	9-911-845-XX	CUSHION (A)	
901	*A-3070-141-A	MOUNTED PCB, MAIN	

(2)



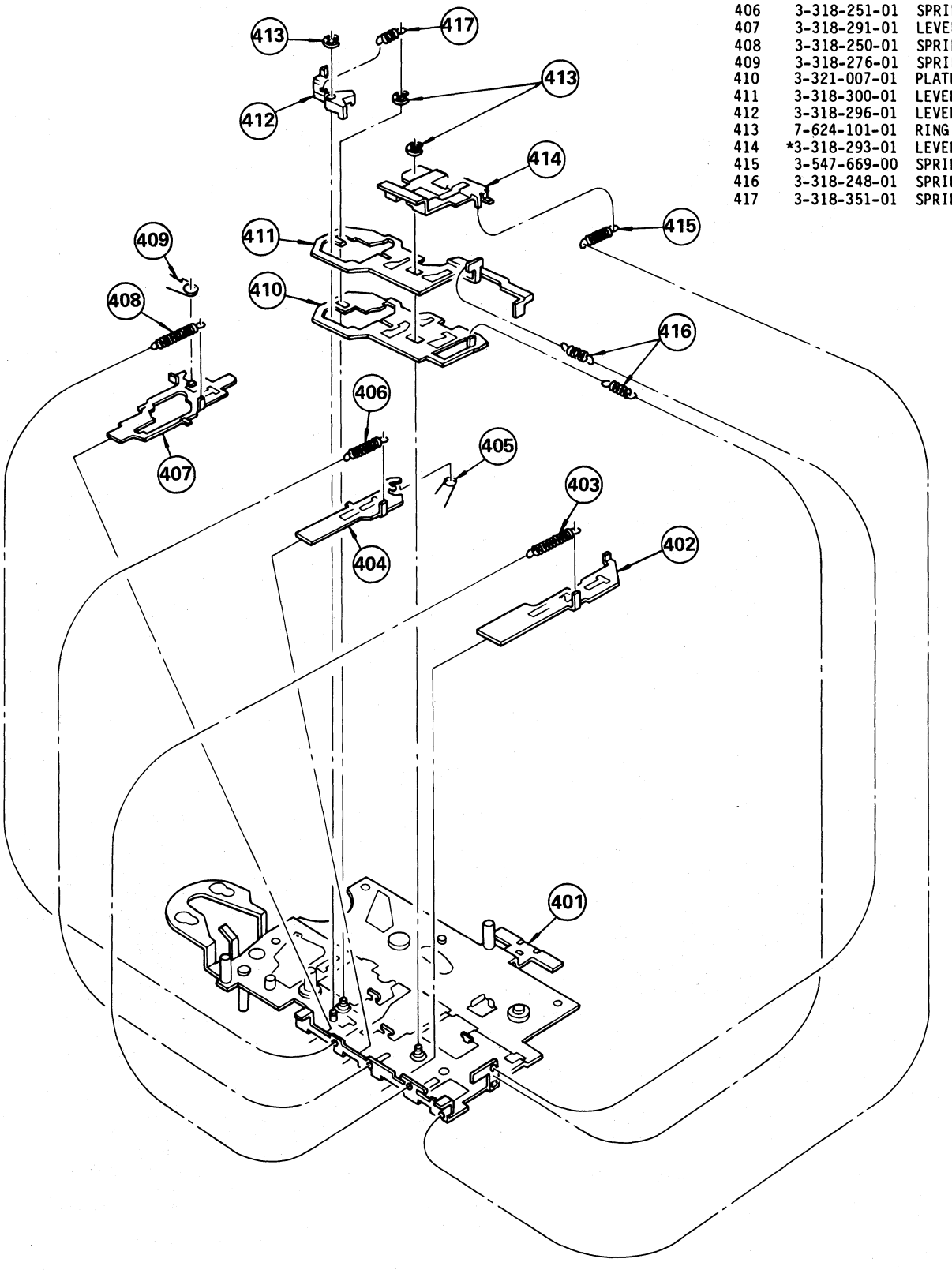
No.	Part No.	Description
301	3-319-014-11	BUTTON, FF
302	3-319-015-11	BUTTON, REW
303	3-321-006-01	BUTTON, STOP
304	3-319-013-11	BUTTON, PLAY
305	3-565-927-00	SPRING, TENSION
306	*3-318-267-01	LEVER, CR
307	X-3318-222-1	CHASSIS ASSY, HEAD
308	3-318-287-01	GUIDE, TAPE
309	7-627-552-07	SCREW, PRECISION +P 1.7X2.5
310	3-318-238-01	SPRING, TENSION
311	3-318-252-01	ARM, DETECTION
312	3-570-615-00	POLY-WASHER (DIA.1.2)
313	3-318-309-01	SPACER, HEAD
314	3-578-138-01	SEAM (t=0.1)
	3-578-138-11	SEAM (t=0.2)
315	3-318-237-01	SPRING, COMPRESSION
316	7-688-001-01	W 2, SMALL
317	3-318-240-01	SCREW (1.4), SPECIAL
318	7-623-505-01	LUG, 2
319	3-318-269-01	SPRING
320	A-3110-010-A	PINCH LEVER ASSY
321	3-318-275-01	SPRING
322	3-318-254-01	CUSHION, MOTOR
323	*3-318-310-01	COLLAR, MOTOR
324	7-627-552-67	SCREW, PRECISION +P 1.7X4.5
325	3-319-030-01	BELT
326	3-308-472-21	WASHER (C)(t=0.075)
	3-308-472-31	WASHER (C)(t=0.125)

(3)



No.	Part No.	Description
351	3-701-436-11	WASHER, 1.6
352	X-3319-004-1	WHEEL ASSY, REVERSE
353	3-827-323-11	WASHER (DIA. 3.1)
354	3-318-324-01	BUSHING, IDLER LEVER
355	X-3318-210-1	LEVER ASSY, FWD IDLER
356	X-3318-207-1	GEAR (A) ASSY, FR
357	3-578-265-11	WASHER, STOPPER
358	3-701-437-11	WASHER (t=0.25)
359	X-3318-211-1	FLYWHEEL ASSY
360	X-3318-202-1	CLUTCH ASSY
361	3-570-615-00	POLY-WASHER (DIA.1.2)
362	3-318-265-01	GEAR (B), FR
363	X-3318-204-1	GEAR ASSY, REW
366	3-318-288-01	ARM, FF
364	3-701-437-21	WASHER (t=0.5)
365	X-3318-208-1	LEVER ASSY, FR
367	3-318-243-01	SPRING, TENSION
368	3-321-024-01	SPRING, COMPRESSION
369	3-306-836-02	CAP, REEL, T
370	3-318-241-01	SPRING, COMPRESSION
371	3-318-236-01	WASHER, POLY, SLIT
372	3-701-437-01	WASHER (t=0.13)
373	3-831-441-XX	CUSHION
374	3-701-436-01	WASHER, 1.6

(4)



No.	Part No.	Description
401	X-3321-002-1	CHASSIS ASSY, MECHANICAL
402	*3-318-290-01	LEVER, PLAY
403	3-318-246-01	SPRING, TENSION
404	3-318-292-04	LEVER, REW
405	3-318-277-01	SPRING, REW
406	3-318-251-01	SPRING, TENSION
407	3-318-291-01	LEVER, FR
408	3-318-250-01	SPRING, TENSION
409	3-318-276-01	SPRING
410	3-321-007-01	PLATE, LOCK
411	3-318-300-01	LEVER, SWITCH
412	3-318-296-01	LEVER, SHUT-OFF
413	7-624-101-01	RING, RETAINING E-1.2
414	*3-318-293-01	LEVER, STOP
415	3-547-669-00	SPRING, TENSION
416	3-318-248-01	SPRING, TENSION
417	3-318-351-01	SPRING, TENSION

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

ELECTRICAL PARTS

Ref.No.	Part No.	Description		
901	*A-3070-141-A	MOUNTED PCB, MAIN		
C101	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C102	1-123-611-00	ELECT 1MF	20%	50V
C103	1-163-054-00	CERAMIC CHIP 0.0039MF	10%	50V
C104	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V
C105	1-123-611-00	ELECT 1MF	20%	50V
C106	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V
C107	1-131-344-00	TANTALUM 0.33MF	10%	35V
C108	1-131-346-00	TANTALUM 0.68MF	10%	35V
C109	1-131-341-00	TANTALUM 0.1MF	10%	35V
C110	1-124-249-00	ELECT 0.1MF	20%	50V
C111	1-163-189-00	(WM-14/24:NEW,WM-25)... CERAMIC CHIP 220PF	10%	50V
C111	1-163-203-00	(WM-14/24:FORMER)..... CERAMIC CHIP 820PF	10%	50V
C112	1-123-616-00	ELECT 4.7MF	20%	25V
C113	1-163-077-00	CERAMIC CHIP 0.1MF		50V
C114	1-131-389-00	TANTALUM 10MF	20%	3.15V
C116	1-163-125-00	(WM-14/24:NEW,WM-25)... CERAMIC CHIP 220PF	10%	50V
C201	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C202	1-124-255-00	ELECT 1MF	20%	50V
C203	1-163-054-00	CERAMIC CHIP 0.0039MF	10%	50V
C204	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V
C205	1-123-611-00	ELECT 1MF	20%	50V
C206	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V
C207	1-131-344-00	TANTALUM 0.33MF	10%	35V
C208	1-131-346-00	TANTALUM 0.68MF	10%	35V
C209	1-131-341-00	TANTALUM 0.1MF	10%	35V
C210	1-124-249-00	ELECT 0.1MF	20%	50V
C211	1-163-189-00	(WM-14/24:NEW,WM-25)... CERAMIC CHIP 220PF	10%	50V
C211	1-163-203-00	(WM-14/24:FORMER)..... CERAMIC CHIP 820PF	10%	50V
C212	1-123-616-00	ELECT 4.7MF	20%	25V
C213	1-163-077-00	CERAMIC CHIP 0.1MF		50V
C216	1-163-189-00	(WM-14/24:NEW,WM-25)... CERAMIC CHIP 220PF	10%	50V
C301	1-123-827-00	ELECT 220MF	20%	4V
C302	1-123-661-00	ELECT 100MF	20%	6.3V
C303	1-123-647-00	ELECT 47MF	20%	6.3V
C304	1-123-827-00	ELECT 220MF	20%	4V
C305	1-123-618-00	ELECT 22MF	20%	6.3V
C306	1-124-233-00	ELECT 10MF	20%	16V
C307	1-123-827-00	ELECT 220MF	20%	4V
C308	1-163-205-00	(WM-14/24:FORMER)..... CERAMIC CHIP 0.001MF	10%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description		
C309	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C310	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C311	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C312	1-163-205-00	CERAMIC CHIP 0.001MF	10%	50V
C601	1-123-611-00	ELECT 1MF	20%	50V
CN301	1-507-723-00	JACK, EXTENTION POWER		
D301	8-719-919-23	DIODE GL-9PR22		
HP901	8-825-507-01	HERD (PP227-3602J)		
IC301	8-759-910-18	IC BA3304F		
IC302	8-759-908-08	IC CX20085		
IC303	8-759-910-71	IC BA5208AF		
IC601	8-759-801-12	IC LA5523		
J301	1-507-917-00	JACK, STEREO		
M901	8-835-105-01	MOTOR, DC (DNR-6900A)		
Q301	8-729-216-22	TRANSISTOR 2SA1162		
Q302	8-729-902-38	TRANSISTOR TA86E		
R101	1-249-432-11	CARBON 18K	5%	1/6W
R102	1-247-900-00	CARBON 750K	5%	1/6W
R103	1-249-435-11	CARBON 33K	5%	1/6W
R104	1-247-869-00	CARBON 39K	5%	1/6W
R105	1-249-429-11	CARBON 10K	5%	1/6W
R106	1-216-222-00	METAL CHIP 10K	5%	1/8W
R107	1-216-201-00	METAL CHIP 1.3K	5%	1/8W
R108	1-216-224-00	METAL CHIP 12K	5%	1/8W
R109	1-216-248-00	METAL CHIP 120K	5%	1/8W
R110	1-247-826-00	CARBON 620	5%	1/6W
R111	1-216-140-00	METAL CHIP 3.9	5%	1/8W
R112	1-216-049-00	METAL CHIP 1K	5%	1/10W
R113	1-247-883-00	CARBON 150K	5%	1/6W
R201	1-249-432-11	CARBON 18K	5%	1/6W
R202	1-247-900-00	CARBON 750K	5%	1/6W
R203	1-249-435-11	CARBON 33K	5%	1/6W
R204	1-247-869-00	CARBON 39K	5%	1/6W
R205	1-249-429-11	CARBON 10K	5%	1/6W
R206	1-216-222-00	METAL CHIP 10K	5%	1/8W
R207	1-216-201-00	METAL CHIP 1.3K	5%	1/8W
R208	1-216-224-00	METAL CHIP 12K	5%	1/8W
R209	1-216-248-00	METAL CHIP 120K	5%	1/8W
R210	1-247-826-00	CARBON 620	5%	1/6W
R211	1-216-140-00	METAL CHIP 3.9	5%	1/8W
R212	1-216-198-00	METAL CHIP 1K	5%	1/8W
R213	1-247-883-00	CARBON 150K	5%	1/6W
R301	1-249-437-11	CARBON 47K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R302	1-247-888-00	CARBON	240K	5%	1/6W
R303	1-249-423-11	CARBON	3.3K	5%	1/6W
R304	1-247-811-00	CARBON	150	5%	1/6W
R305	1-247-829-00	CARBON	820	5%	1/6W
R601	1-247-845-00	CARBON	3.9K	5%	1/6W
R602	1-247-860-00	CARBON	16K	5%	1/6W
R603	1-249-434-11	CARBON	27K	5%	1/6W
R604	1-247-857-00	CARBON	12K	5%	1/6W
RV101	1-228-585-00	RES, ADJ, CARBON 5K			
RV201	1-228-585-00	RES, ADJ, CARBON 5K			
RV301	1-230-327-11	RES, VAR, CARBON 10K/10K			
RV601	1-230-503-11	RES, ADJ, CARBON 10K			
S301	1-554-123-00	SWITCH, SLIDE (TAPE)			
S302	1-554-682-00	SWITCH, SLIDE (DOLBY NR)			
S303	1-554-297-00	SWITCH, LEAF (POWER)			
TH601	1-800-279-21	THERMISTOR 5K			
TH602	1-806-881-11	THERMISTOR (POSITIVE)			

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-312-058-00	LABEL, SERIAL NUMBER (for INDIVIDUAL CARTON)
*3-321-013-01	CUSHION, 4 GANG
*3-321-015-01	(WM-14/24)...SPACER
3-321-020-01	BELT, SHOULDER
3-321-055-01	(WM-14/24)..SHEET, PROTECTION
3-321-052-01	(US).....INDIVIDUAL CARTON
3-321-051-01	(Canadian)...INDIVIDUAL CARTON
3-321-056-01	(WM-24).....INDIVIDUAL CARTON
3-321-502-01	(WM-25).....INDIVIDUAL CARTON
3-335-642-11	(WM-25)...CUSHION (A)
3-335-501-01	(WM-25)...CUSHION (B)
3-336-504-01	(WM-25)...SPACER
3-703-910-01	(WM-14/24:BLK)...LABEL, COLOR
3-703-912-01	(GOLD).....LABEL, COLOR
3-703-920-01	(RED).....LABEL, COLOR
3-760-324-11	(WM-24)...MANUAL, INSTRUCTION (English,Français,Español)
3-760-324-21	(US,Canadian)...MANUAL, INSTRUCTION (English)
3-760-324-31	(Canadian).....MANUAL, INSTRUCTION (Français)
3-760-324-41	(AEP).....MANUAL, INSTRUCTION (Deutsch,Nederlands,Svenska,Italiano)
3-765-476-41	(WM-25)...MANUAL, INSTRUCTION
3-795-748-21	SAFETY INSTRUCTIONS, HEADPHONE
8-952-201-90	(Canadian,WM-24)...MDR-03L/J SET
8-952-217-90	(US).....MDR-02L(J) SET
8-952-268-90	(WM-25)...MDR-010L SET

9-952-340-11
(including : 9-951-650-11
9-951-650-91)

Sony Corporation

English
86G0489-1
Printed in Japan
© 1986